

## Thermometry, Poland

## GUM (Główny Urząd Miar, Central Office of Measures), INTiBS (Institute of Low Temperature and Structure Research)

Calibration or Measurement Services			Measurand Level or Range			Measurement Conditions/Independent variables		Expanded Uncertainty					Comments	NMI	NMI Service Identifier
Quantity	Instrument or artifact	Instrument Type or Method	Minimum value	Maximum value	units	Parameter	Specifications	Value	Units	Coverage Factor	Level of Confidence	Is the expanded uncertainty a relative one?			
Temperature	Mercury triple point cell CSPRT	By measurement at fixed point	234.3156	234.3156	K	Adiabatic calorimeter		0.54	mK	2	95%	No	Approved on 18 May 2004	INTiBS	6
Temperature	Mercury triple point cell LSPRT	By measurement at fixed point	234.3156	234.3156	K			0.65	mK	2	95%	No	Approved on 18 May 2004	GUM	7
Temperature	Gallium melting point cell LSPRT	By measurement at fixed point	29.7646	29.7646	°C			0.63	mK	2	95%	No	Approved on 18 May 2004	GUM	10
Temperature	Indium freezing point cell LSPRT	By measurement at fixed point	156.5985	156.5985	°C			2.36	mK	2	95%	No	Approved on 18 May 2004	GUM	11
Temperature	Tin freezing point cell LSPRT	By measurement at fixed point	231.928	231.928	°C			1.98	mK	2	95%	No	Approved on 18 May 2004	GUM	12
Temperature	Zinc freezing point cell LSPRT	By measurement at fixed point	419.527	419.527	°C			3.89	mK	2	95%	No	Approved on 18 May 2004	GUM	13
Temperature	Aluminium freezing point cell LSPRT	By measurement at fixed point	660.323	660.323	°C			9.29	mK	2	95%	No	Approved on 18 May 2004	GUM	14
Temperature	SPRT - long stem	By measurement at triple point of Argon	83.8058	83.8058	K			2.1	mK	2	95%	No	Approved on 18 May 2004	GUM	23

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Quantity	Instrument or artifact	Instrument Type or Method	Minimum value	Maximum value	units	Parameter	Specifications	Value	Units	Coverage Factor	Level of Confidence	Is the expanded uncertainty a relative one?			
Temperature	SPRT - long stem	By measurement at triple point of Mercury	234.3156	234.3156	K			0.8	mK	2	95%	No	Approved on 18 May 2004	GUM	24
Temperature	SPRT - long stem	By measurement at melting point of Gallium	29.7646	29.7646	°C			0.8	mK	2	95%	No	Approved on 18 May 2004	GUM	26
Temperature	SPRT - long stem	By measurement at freezing point of Indium	156.5985	156.5985	°C			2.4	mK	2	95%	No	Approved on 18 May 2004	GUM	27
Temperature	SPRT - long stem	By measurement at freezing point of Tin	231.928	231.928	°C			2.2	mK	2	95%	No	Approved on 18 May 2004	GUM	28
Temperature	SPRT - long stem	By measurement at freezing point of Zinc	419.527	419.527	°C			4.0	mK	2	95%	No	Approved on 18 May 2004	GUM	29
Temperature	SPRT - long stem	By measurement at freezing point of Aluminium	660.323	660.323	°C			9.5	mK	2	95%	No	Approved on 18 May 2004	GUM	30
Temperature	SPRT - long stem	By measurement at freezing point of Silver	961.78	961.78	°C			14.3	mK	2	95%	No	Approved on 18 May 2004	GUM	31